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EXAMINER

TANG, KAREN C

ART UNIT	PAPER NUMBER
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2451

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/944,313

Applicant(s)

FONG ET AL.

Examiner

KAREN C. TANG

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 January 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-53 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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- This action is responsive to the amendment and remarks file on 01/27/2010.
- Claims 1-53 are presented for further examination.

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-53 have been considered but are moot in view of the new ground(s) of rejection.

Claims Rejection 35-U.S.C 101

Applicant argues that the amended claims to recite "a computer readable storage media" would overcome the rejection under 35 U.S.C 101.

Examiner disagrees.

The claim is drawn to a "computer readable storage medium". The term inherently includes transitory signals.

Dependent Claims are not allowable at least for the same reason described above with regards to independent Claims 14 and by virtual of their respective dependencies upon independent claim 14.

Specification

Claim 14 is objected to because according to MPEP 608.01, antecedent basis for the terms appearing in the claims, while an applicant is not limited to the nomenclature used in the application as filed, he or she should make appropriate amendment of the specification whenever this nomenclature is departed from by amendment of the claims so as to have clear support or antecedent basis in the specification for the new terms appearing in the claims. Applicant will be required to make appropriate amendment to the description to provide clear support or antecedent basis for the terms appearing in the claims provided no new matter is introduced. The

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term “computer-usable storage medium” lacks clear support or antecedent basis in the description of the specification. Please also see 37 CFR 1.75 (d)(1).

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 14-20, 25-26, 43, 46, and 51 are rejected under 35 U.S.C. 101. Specifically, in regards to Claim 14, it is well known term “computer-usable storage medium” that inherently include signals. Thus, Claim 14 does not fall into any statutory class and is not statutory under 101.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-53 rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The omitted structural cooperative relationships are: "the processor in the data processing system" with rest of the structural connections in the claims.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maddux et al hereinafter Maddux (US 2002/0124245) in view of Moshir et al hereinafter Moshir (US 2005/0257214) in further view of Sierer et al hereinafter Sierer (US 2010/0088194).

1. Referring to Claim 1. Maddux discloses a computer implemented method to deploy one or more data processing systems, comprising: providing a plurality of rules that determine the deployment information that are available to deploy on the one or more data processing systems , and deployment action on the one or more data processing systems (refer to par 0128 and par 0146 and par 0229); wherein said data processing systems comprise a processor (system have processor to process data); capturing deployment information from a reference data processing system to deploy on said one or more data processing systems (refer to par 0145), wherein said deployment information is stored in a memory (refer to par 0150 and 0259); selecting said one or more data processing systems (refer to 0122); selecting, by a user, a package of said deployment information to be deployed on said one or more data processing systems (refer to par 0222, 0264 and 0278); and intelligently deploying said one or more data processing systems upon receiving a command from the user if there is a match between attributes of said package and attributes of said one or more data processing systems (refer to par 0289), wherein the user selects the

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package attributes and data processing systems attributes to include and exclude for matching (refer to 0218), wherein said intelligently deploying is based on said deployment information that was captured, and includes referencing said package of said deployment information that is stored in said memory (refer to par 0253 and 0282).

Although Muddux disclosed the invention substantially as claimed, Muddux did not explicitly disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems“

Moshir, in analogous art, disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems (refer to par 0085)“

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Muddux and Moshir because Moshir's teaching of "alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems" would improve Moshir's system by ensures the system is able to intelligently recommend which patches and drivers are required for computer(s).

Although Muddux and Moshir disclosed the invention substantially as claimed, Muddux and Moshir did not explicitly disclosing "deployed software image and hardware configuration image”

Sierer, in analogous art, disclosing “deployed software image and hardware configuration image (refer to par 0294)"

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It would have been obvious for one of ordinary skill in the art to combine the teaching of Muddux, Moshir and Sierer because Sierer's teaching of "deployed software image and hardware configuration image (refer to par 0294)" would improve the system of Muddux by expertise the configuration procedures of the desire instruments and reduce the errors occurs during the configuration process.

2. Referring to Claim 2, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further discloses wherein said deployment information in said memory is stored on a dedicated data processing system connected to a computer network (refer to par 0218 and 0114).

3. Referring to Claim 3, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further discloses wherein capturing said deployment information includes refreshing said deployment information (refer to par Claim 24 of Maddux).

4. Referring to Claim 4, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further discloses wherein capturing said deployment information includes referencing deployment information stored from a previous instance of deployment of one or more data processing systems (refer to 0009 and par 0051).

5. Referring to Claim 5, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further discloses wherein said deployment information includes information selected from the group of information consisting of: disk drive partitions, disk drive settings, disk array

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controller settings, PCI device settings, non-PCI device settings, firmware settings, fixed code settings, operating system information, application software package information, user settings, personalization information, or configuration information (refer to 0219-0220).

6. Referring to Claim 6, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further discloses wherein said deployment information includes a hardware portion of a configuration and a remaining portion of said configuration (refer to par 0219), and said intelligently deploying can update said hardware portion of said configuration on a data processing system of said one or more data processing systems before software image deployment, without destructively modifying said remaining portion of said configuration of said one or more data processing systems (refer to par 0223).

7. Referring to Claim 7, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further discloses wherein said deployment information includes a hardware portion of a configuration and a remaining portion of said configuration, and said intelligently deploying can update said hardware portion of said configuration on a data processing system of said one or more data processing systems that has already been configured, without destructively modifying said remaining portion of said configuration of said one or more data processing systems (refer to par 0223).

8. Referring to Claim 8, Maddux discloses a computer network to facilitate the intelligent deployment of one or more data processing system, comprising: one or more data processing

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systems to be intelligently deployed (refer to Fig 1); one or more reference data processing systems containing deployment information (refer to par 0049); a plurality of rules that determine the deployment information that are available to deploy on the one or more data processing systems and deployment action on the one or more data processing systems (refer to par 0128, 0146, and par 0229); a means for transmission capable of conveying said deployment information to said one or more data processing systems (refer to 0145); and a dedicated data processing system containing deployment information copied from said one or more reference data processing systems, wherein said dedicated data processing system conveys to said one or more data processing systems over said means for transmission a package of deployment information selected from said deployment information, which is based on said deployment information that was captured (refer to par 0222, 0264, 0278), upon receiving a command from a user, wherein the user selects the package attributes and data processing systems attributes to include and exclude for matching (refer to par 0218 and 0253 and 0282).

Although Muddux disclosed the invention substantially as claimed, Muddux did not explicitly disclosing “wherein said dedicated data processing system compares attributes of said package of said deployment information with attributes of said one or more data processing systems and prevents transmission of said package to said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems, “

Moshir, in analogous art, disclosing “wherein said dedicated data processing system compares attributes of said package of said deployment information with attributes of said one or more data processing systems and prevents transmission of said package to said one or more data

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processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems, (refer to par 0085)“

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Muddux and Moshir because Moshir's teaching of "alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems" would improve Moshir's system by ensures the system is able to intelligently recommend which patches and drivers are required for computer(s).

Although Muddux and Moshir disclosed the invention substantially as claimed, Muddux and Moshir did not explicitly disclosing "deployed software image and hardware configuration image”

Sierer, in analogous art, disclosing “deployed software image and hardware configuration image (refer to par 0294)"

It would have been obvious for one of ordinary skill in the art to combine the teaching of Muddux, Moshir and Sierer because Sierer's teaching of “deployed software image and hardware configuration image (refer to par 0294)" would improve the system of Muddux by expertise the configuration procedures of the desire instruments and reduce the errors occurs during the configuration process.

9. Referring to Claim 9, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing a memory in said dedicated data processing system to store said package of said deployment information (refer to par 0150 and par 0259).

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10. Referring to Claim 10, Maddux, Moshir and Sierer disclosed the computer network of claim 8, wherein capturing said deployment information includes referencing deployment information stored from a previous instance of intelligent deployment of one or more data processing systems (refer to par 0219).

11. Referring to Claim 11, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein said deployment information includes information selected from the group of information consisting of: disk drive partitions, disk drive settings, disk array controller settings, PCI device settings, non-PCI device settings, firmware settings, fixed code settings, operating system information, application software package information, User settings, personalization information, or configuration information (refer to par 0219, 0220 and 0222 and 224).

12. Referring to Claim 12, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein said deployment information includes a hardware portion of a configuration and a remaining portion of said configuration (refer to par 0219), and said computer network can update said hardware portion of said configuration on a data processing system of said one or more data processing systems before software image deployment, without destructively modifying said remaining portion of said configuration of said one or more data processing systems (refer to par 0223).

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13. Referring to Claim 13, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein said deployment information includes a hardware portion of a configuration and a remaining portion of said configuration (refer to par 0219), and said computer network can update said hardware portion of said configuration on a data processing system of said one or more data processing systems that has already been configured, without destructively modifying said remaining portion of said configuration of said one or more data processing systems (refer to par 0144 and par 0212 and par 0223)

14. Referring to Claim 14, Maddux discloses a computer – usable medium embodied on containing instructions embodied therein that when executed cause a computer system to perform a method for deployment of one or more data processing systems, comprising capturing deployment information from a reference data processing system to deploy on said one or more data processing systems (refer to par 0145), wherein said deployment information is stored in a memory (refer to par 0150, and 0259); selecting said one or more data processing systems (refer to par 0122); providing a plurality of rules that determine the deployment information that are available to deploy on the one or more data processing systems and deployment action on the one or more data processing systems (refer to par 0128 and par 0146 and par 0229); selecting a package of said deployment information to be deployed on said one or more data processing systems (refer to par 0222, 0264 and par 0278); and intelligently deploying said one or more data processing systems upon receiving a command from the user (refer to par 0289), including program code to reference said package of said deployment information that is stored in said

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memory, if there is a match between attributes of said package and attributes of said one or more data processing systems (refer to par 0289 and 0218);

Although Muddux disclosed the invention substantially as claimed, Muddux did not explicitly disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems“

Moshir, in analogous art, disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems (refer to par 0085)“

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Muddux and Moshir because Moshir's teaching of "alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems" would improve Moshir's system by ensures the system is able to intelligently recommend which patches and drivers are required for computer(s).

Although Muddux and Moshir disclosed the invention substantially as claimed, Muddux and Moshir did not explicitly disclosing "deployed software image and hardware configuration image”

Sierer, in analogous art, disclosing “deployed software image and hardware configuration image (refer to par 0294)"

It would have been obvious for one of ordinary skill in the art to combine the teaching of Muddux, Moshir and Sierer because Sierer's teaching of “deployed software image and hardware

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configuration image (refer to par 0294)" would improve the system of Maddux by expertise the configuration procedures of the desire instruments and reduce the errors occurs during the configuration process.

15. Referring to Claim 15, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein said memory that stores said package of said deployment information is included in a dedicated data processing system (refer to par 0218 and par 0114).

16. Referring to Claim 16, Maddux, Moshir and Sierer disclosed the computer program of claim 14, wherein said program code segment to capture deployment information from a reference data processing system to deploy on said one or more data processing systems is executed on a data processing system coupled to a network of data processing systems (refer to par 0218 and par 0114).

17. Referring to Claim 17, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein said program code segment to select one or more data processing systems to be included in said one or more data processing systems is executed on a data processing system coupled to a network of data processing systems (refer to par 0218 and par 0114).

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18. Referring to Claim 18, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein said program code segment to select a package of said deployment information to be deployed on said one or more data processing systems is executed on a data processing system coupled to a network of data processing systems (refer to par 0218 and par 0114).

19. Referring to Claim 19, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein said program code segment to intelligently deploy said one or more data processing systems upon receiving a command from user interacts with a network of data processing systems (refer to par 0222, 0264, an 0278).

20. Referring to Claim 20, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein said electronically-readable memory is a non-volatile memory selected from the group of non-volatile memories consisting of: a magnetic disk drive, a magneto- optic disk drive, a floppy diskette, a compact disc and a flash memory (stored in the databased, refer to par 0150 and par 0259 and the memory within the computer would be obvious to be any of the non-volatile memory group).

21. Referring to Claim 21, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further disclosing selecting, by the user, one of a default image capture and a customized image capture, where the default image capture will result in an automatic image capture of all hardware configurations and base software images in the reference data processing

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system (refer to par 0144) and the customized image capture will result in the image capture of selected hardware configurations, base software images, or incremental capture of images in the reference data processing system (refer to par 0219-0227 and refer to par 0144 and par 0212)

22. Referring to Claim 22, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further disclosing selecting, by the user, one of a default deployment or a customized deployment, where the default deployment will deploy all hardware configurations and software images that have been captured from the reference data processing system and the customized deployment will deploy selected hardware configuration, base software images or perform incremental deployment of captured information (refer to par 0275-0282 and 0210-0211).

23. Referring to Claim 23, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein the user selects one of a default image capture and a customized image capture, where the default image capture will result in an automatic image capture of all hardware configurations and base software images in the reference data processing system and the customized image capture will result in the image capture of selected hardware configurations, base software images, or incremental capture of images in the reference data processing system (refer to par 0145 and refer to par 0144 and par 0212).

24. Referring to Claim 24, Maddux, Moshir and Sierer disclosed the computer network of claim 8, wherein the user selects one of a default deployment or a customized deployment, where the default deployment will deploy all hardware configurations and software images that have

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been captured from the reference data processing system and the customized deployment will deploy selected hardware configuration, base software images or perform incremental deployment of captured information (refer to par 0148-0156).

25. Referring to Claim 25, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein the user selects one of a default image capture and a customized image capture, where the default image capture will result in an automatic image capture of all hardware configurations and base software images in the reference data processing system and the customized image capture will result in the image capture of selected hardware configurations, base software images, or incremental capture of images in the reference data processing system (refer to par 0148-0156 and refer to par 0144 and par 0212)

26. Referring to Claim 26, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing wherein the user selects one of a default deployment or a customized deployment, where the default deployment will deploy all hardware configurations and software images that have been captured from the reference data processing system and the customized deployment will deploy selected hardware configuration, base software images or perform incremental deployment of captured information (refer to par 0148-0156)

27. Referring to Claim 27, Maddux discloses a computer-implemented method for deploying at least one target data processing system, comprising: selecting a reference data processing system; wherein said data processing system comprises a processor (system must have processor

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to processing information); specifying, by a user, capture information of an image to be captured from the reference data processing system (refer to par 0212 and par 0144), wherein said capture information includes a name, description and destination of the image (refer to par 0219); providing a plurality of rules that determine the capture information that are available to deploy on the target data processing system and deployment action on the target data processing system (refer to par 0128 and 0146 and 0229); capturing the capture information or customized capture information from the reference data processing system after selecting an image capture option (refer to par 0212); selecting said target data processing system (refer to 0222); deploying the capture information or customized capture information to the target data processing system based upon a selected deployment option if there is a match between attributes of said captured image and attributes of said target data processing system, wherein the user selects the captured image attributes and target data processing system attributes to include and exclude for matching (refer to par 0289).

Although Muddux disclosed the invention substantially as claimed, Muddux did not explicitly disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems“

Moshir, in analogous art, disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems (refer to par 0085)“

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Muddux and Moshir because Moshir"s teaching of "alternatively,

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suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems" would improve Moshir's system by ensures the system is able to intelligently recommend which patches and drivers are required for computer(s).

Although Muddux and Moshir disclosed the invention substantially as claimed, Muddux and Moshir did not explicitly disclosing "deployed software image and hardware configuration image"

Sierer, in analogous art, disclosing "deployed software image and hardware configuration image (refer to par 0294)"

It would have been obvious for one of ordinary skill in the art to combine the teaching of Muddux, Moshir and Sierer because Sierer's teaching of "deployed software image and hardware configuration image (refer to par 0294)" would improve the system of Muddux by expertise the configuration procedures of the desire instruments and reduce the errors occurs during the configuration process.

28. Referring Claim 28, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing refreshing the capture information or customized capture information (refer to par 0144 and par 0212 and Claim 24 of Maddux)

29. Referring to Claim 29, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing wherein the capture information includes information selected from the group of information consisting of: disk drive partitions, disk drive settings, disk array

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controller settings, PCI device settings, non-PCI device settings, firmware settings, fixed code settings, operating system information, application software package information, user settings, personalization information, or configuration information (refer to par 0219)

30. Referring to Claim 30, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing wherein the capture information includes a hardware portion of a configuration and a remaining portion of said configuration, and said intelligently deploying can update said hardware portion of said configuration on said target data processing systems before software image deployment, without destructively modifying said remaining portion of said configuration of said target data processing systems (refer to par 0144 and par 0212).

31. Referring to Claim 31, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing wherein the capture information includes a hardware portion of a configuration and a remaining portion of said configuration, and said intelligently deploying can update said hardware portion of said configuration on said target data processing systems that has already been configured, without destructively modifying said remaining portion of said configuration of said target data processing systems (refer to par 0144 and par 0212)

32. Referring to Claim 32, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing selecting the image capture option by selecting one of a default image capture and a customized image capture, where the default image capture will result in an automatic image capture of all hardware configurations and base software images in the

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reference data processing system and the customized image capture will result in the image capture of selected hardware configurations, base software images, or incremental capture of images in the reference data processing system (refer to par 0144 and par 0212).

33. Referring to Claim 33, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing selecting a deployment option by selecting one of a default deployment or a customized deployment, where the default deployment will deploy all hardware configurations and software images that have been captured from the reference data processing system and the customized deployment will deploy selected hardware configuration, base software images or perform incremental deployment of captured information (refer to par 0148-0156)

34. Referring to Claim 34, Maddux discloses an apparatus for deploying at least one data processing system, the apparatus comprising : at least one reference data processing system containing capture information;

at least one target data processing system to be deployed, wherein said one or more data processing systems comprises a processor (system must have processor to process data); a plurality of rules that determine the capture information that are available to deploy on the target data processing system and deployment action on the target data processing system (refer to par 0218, 0146, and par 0229);

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a dedicated deployment data processing system, wherein said dedicated deployment data processing system captures and stores in a memory said capture information from said reference data processing system based upon a selected image capture option (refer to par 0212),

where the dedicated deployment data processing system conveys to said target data processing system a package of deployment information selected from said capture information or customized capture information by a user based upon a selected deployment option if there is a match between attributes of said package and attributes of said target data processing system, and alternatively (refer to par 0218, 0253, and 0282);

Although Muddux disclosed the invention substantially as claimed, Muddux did not explicitly disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems“

Moshir, in analogous art, disclosing “alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems (refer to par 0085)“

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Muddux and Moshir because Moshir's teaching of "alternatively, suspending deployment of said one or more data processing systems if there is no match between said attributes of said package and said attributes of said one or more data processing systems" would improve Moshir's system by ensures the system is able to intelligently recommend which patches and drivers are required for computer(s).

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Although Muddux and Moshir disclosed the invention substantially as claimed, Muddux and Moshir did not explicitly disclosing "deployed software image and hardware configuration image"

Sierer, in analogous art, disclosing "deployed software image and hardware configuration image (refer to par 0294)"

It would have been obvious for one of ordinary skill in the art to combine the teaching of Muddux, Moshir and Sierer because Sierer's teaching of "deployed software image and hardware configuration image (refer to par 0294)" would improve the system of Muddux by expertise the configuration procedures of the desire instruments and reduce the errors occurs during the configuration process.

35. Referring to Claim 35, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing further comprising refreshing the capture information or customized capture information (refer to par 0144 and par 0212 and Claim 24 of Maddux)

36. Referring to Claim 36, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing wherein said capture information includes information selected from the group of information consisting of: disk drive partitions, disk drive settings, disk array controller settings, PCI device settings, non-PCI device settings, firmware settings, fixed code settings, operating system information, application software package information, user settings, personalization information, or configuration information (refer to par 0219)

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37. Referring to Claim 37, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing wherein said capture information includes a hardware portion of a configuration and a remaining portion of said configuration, and said deploying can update said hardware portion of said configuration on said target data processing systems before software image deployment, without destructively modifying said remaining portion of said configuration of said target data processing systems (refer to par 0144 and par 0212).

38. Referring to Claim 38, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing wherein said capture information includes a hardware portion of a configuration and a remaining portion of said configuration, and said deploying can update said hardware portion of said configuration on said target data processing systems that has already been configured, without destructively modifying said remaining portion of said configuration of said target data processing systems (refer to par 0144 and par 0212).

39. Referring to Claim 39, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing wherein the user selects an image capture option by selecting one of a default image capture and a customized image capture, where the default image capture will result in an automatic image capture of all hardware configurations and base software images in the reference data processing system and the customized image capture will result in the image capture of selected hardware configurations, base software images, or incremental capture of images in the reference data processing system (refer to par 0144 and par 0212).

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40. Referring to Claim 40, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing wherein the user selects a deployment option by selecting one of a default deployment or a customized deployment, where the default deployment will deploy all hardware configurations and software images that have been captured from the reference data processing system and the customized deployment will deploy selected hardware configuration, base software images or perform incremental deployment of captured information (refer to par 0148-0156)

41. Referring to Claim 41, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further disclosing selecting, by a user, one of an default image capture option or a customized image capture option, where the default image capture option automatically captures a capture information from the deployment information for deployment on the target data processing systems, and where the customized image capture option captures a customized capture information comprising one of a base software image, incremental software images, or hardware parameters for deployment on the target data processing systems (refer to par 0144 and par 0212).

42. Referring to Claim 42, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein the user selects one of an default image capture option or a customized image capture option, where the default image capture option automatically captures a capture information from the deployment information for deployment on the target data processing systems, and where the customized image capture option captures a

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customized capture information comprising one of a base software image, incremental software images, or hardware parameters for deployment on the target data processing systems (refer to par 0144 and par 0212).

43. Referring to Claim 43, Maddux, Moshir and Sierer disclosed the computer program of claim 14 Maddux further disclosing, wherein the instructions further comprises: a program code segment to permit the user to select one of an default image capture option or a customized image capture option, where the default image capture option automatically captures a capture information from the deployment information for deployment on the target data processing systems, and where the customized image capture option captures a customized capture information comprising one of a base software image, incremental software images, or hardware parameters for deployment on the target data processing systems (refer to par 0144 and par 0212).

44. Referring to Claim 44, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further disclosing selecting, by the user, one of a default deployment option or a customized deployment option, where the default deployment option deploys the package of said deployment information on said one or more data processing systems, and where the customized deployment option deploys one of a base software image, incremental software images, or hardware parameters on said one or more data processing systems (refer to par 0144 and par 0212).

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45. Referring to Claim 45, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein the user selects one of a default deployment option or a customized deployment option, where the default deployment option deploys the package of said deployment information on said one or more data processing systems, and where the customized deployment option deploys one of a base software image, incremental software images, or hardware parameters on said one or more data processing systems (refer to par 0144 and par 0212).

46. Referring to Claim 46, Maddux, Moshir and Sierer disclosed the computer program of claim 14 Maddux further disclosing a program code to permit a user to select one of a default deployment option or a customized deployment option, where the default deployment option deploys the package of said deployment information on said one or more data processing systems, and where the customized deployment option deploys one of a base software image, incremental software images, or hardware parameters on said one or more data processing systems (refer to par 0148-0156).

47. Referring to Claim 47, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing selecting, by the user, one of an default image capture option or a customized image capture option, where the default image capture option automatically captures the capture information for deployment on the target data processing system, and where the customized image capture option captures a customized capture information comprising one of a

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base software image, incremental software images, or hardware parameters for deployment on the target data processing system (refer to par 0144 and par 0212)

48. Referring to Claim 48, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing where a user selects one of an default image capture option or a customized image capture option, where the default image capture option automatically captures the capture information for deployment on the target data processing system, and where the customized image capture option captures a customized capture information comprising one of a base software image, incremental software images, or hardware parameters for deployment on the target data processing system (refer to par 0144)

49. Referring to Claim 49, Maddux, Moshir and Sierer disclosed the method of claim 1, Maddux further disclosing setting each rule with an associated priority (procedures must follows to ensure the success of the deployment, refer to 0121)

50. Referring to Claim 50, Maddux, Moshir and Sierer disclosed the computer network of claim 8, Maddux further disclosing wherein each rule has an associated priority (procedures must follows to ensure the success of the deployment, refer to 0121).

51. Referring to Claim 51, Maddux, Moshir and Sierer disclosed the computer program of claim 14, Maddux further disclosing further comprising: a program code segment to set each rule with an associated priority.

52. Referring to Claim 52, Maddux, Moshir and Sierer disclosed the method of claim 27, Maddux further disclosing setting each rule with an associated priority (procedures must follow to ensure the success of the deployment, refer to 0121).

53. Referring to Claim 53, Maddux, Moshir and Sierer disclosed the apparatus of claim 34, Maddux further disclosing wherein each rule has an associated priority ((procedures must follow to ensure the success of the deployment, refer to 0121).

Conclusion

Examiner's Notes: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner. In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen C. Tang whose telephone number is (571)272-3116. The examiner can normally be reached on M-Thr 8 - 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571)272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Karen C Tang/
Primary Examiner, Art Unit 2451